BEST AVAILABLE COPY

SHEET 1 OF 6

Jo	FÖRM	DOCKET NUMBER APPLICATION NUMBER 10/772,734								UMBER			
die	POPULATION OFFICE OF		ORMATION DISC TION IN AN APPI	APPLICANT(S) John D. Russell et al									
	X WAR				FILING DATE		04		GR	OUF	ART	UNI	īT
18				U.S. PAT	ENT DOC	JME	ENT	S					
	EXAM		DOCUMENT NUMBER	DATE	NAME			CL	ASS	SUB CLASS		FIL. DATE IF APPROP.	
	Q.		3,548,798	12-22-70	Fleischer								
	7	•	4,084,568	4-18-78	Sato et al								
			4,494,506	1-22-85	Hayama e	et al							
			4,592,315	6-3-86	Kobayash	i et	al						
			4,651,684	3-24-87	Masuda e	t al							
			4,700,684	10-20-87	Pischinge	r et a	al						
			4,856,465	8-15-89	Denz et a	1							
			5,019,989	5-28-91	Ueda et a	1							
			5,022,357	6-11-91	Kawamur	a							
			5,101,786	4-7-92	Kamio et	al							
	91		5,115,782	5-26-92	Klinke et	al			'	l			
				FOREIGN P.	ATENT DO	CU	ME	NTS					
			DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS	SUI CLA			YES	SLATION NO	
	QK		59194058	11-2-84	JP					A	bstra	ct o	nly
			60240828	11-29-85	JP					Α	bstra	ct o	nly
			62101825	5-12-87	JP					A	bstra	ct o	nly
			63032122	2-10-88	JР					A	bstra	ct o	nly
			1100316	4-18-89	JP					A	bstra	ct o	nly
	QQ		3916605	11-30-89	DE			T		Α	bstra	ct o	nly
				OTHE	R DOCUM	ENT	S						
	EXAMI	NER	KWON		DATE CO	NSIDE	RED	7	/z	2/	120	20	5

SHEET 2 OF 6

		 				_				
FORM PTO-1		DOCKET NUMBER APPLICATION NUMBER 10/772,734								
	ORMATION DISC ATION IN AN APP	APPLICANT(S) John D. Russell et al								
			FILING DATE February 5, 2004				ART UN	IT		
· · · · · · · · · · · · · · · · · · ·		U.S. PAT	TENT DOCU	JMENT	S					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	1	IAME		CI	ASS	SUB CLASS		. DATE .PPROP.
Qe_	5,152,267	10-6-92	Komatsu	et al			1	ſ		
	5,168,851	12-8-92	Itoyama e	t al						
	5,170,759	12-15-92	Ito							
	5,199,403	4-6-93	Akazaki e	t al						
	5,357,932	10-25-94	Clinton et	al						
	5,365,908	11-22-94	Takii et al							
	5,396,874	3-14-95	Hitomi et	al						
	5,414,994	5-16-95	Cullen et	al						
	5,517,955	5-21-96	Yoshioka							
Ţ	5,548,995	8-27-96	Clinton et	al						
Q.	5,606,960	3-4-97	Takahashi	et al					1	
		FOREIGN F	PATENT DO	CUME	VTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS				TRAI YES	NSLATIO	NO
Ql.	0376703	7-4-90	EP							
	2176115	7-9-90	JP				A	bstract o	nly	
	3009021	1-16-91	JР				A	bstract o	nly	
	0440314	8-7-91	EP					:		
OK	4143410	5-18-92	JP			1	Al	bstract o	nly	
		OTHE	R DOCUMI	ENTS			•			<u> </u>
						-				
EXAMINER	6/11		DATE CON	ISIDERED	7	1	2/	a m		
· · · · · · · · · · · · · · · · · · ·	KWM			current in a		10	4	2009	>	

FORM PTO-1	DOCKET NUMBER APPLICATION NUMBER 10/772,734									
	ORMATION DISC ATION IN AN APP	APPLICANT(S) John D. Russell et al								
		FILING DA February			GRO	OUP	ART UN	IT		
		U.S. PA	TENT DOC	JMENTS	3		·			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME		CLA	ss	SUB CLASS		, DATE APPROP.
OL	5,628,290	5-13-97	Iida et al			1		4		
	5,635,634	6-3-97	Reuschen	bach et a	[T^{-}		
	5,654,501	8-5-97	Grizzle et	al						·
	5,666,916	9-16-97	Fujieda et	t al						
	5,676,112	10-14-97	Bauer et a	al						
	5,690,071	11-25-97	Jankovic							
	5,692,471	12-2-97	Zhang			П				
	5,712,786	1-27-98	Ueda			1				-
	5,724,927	3-10-98	Suzuki							
$\bigcap V$	5,740,045	4-14-98	Livshiz et	al						
5,746,176 5-5-98			Damson e	1		1				
		FOREIGN I	PATENT DO	CUMEN	ITS					
<u> </u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS		UB ASS		TRA YES	NSLATIC	NO
	4148023	5-21-92	JP			\overline{I}	A	bstract	only	
	5086913	4-16-93	JP			T	A	bstract	only	
	0560476	9-15-93	EP							
	4209684	9-30-93	DE				A	bstract (only	
	4321413	1-5-95	DE				A	bstract (only	
	9125994	5-13-97	JP				A	bstract (only	
	9256880	9-30-97	JP		1 27		A	bstract (only	
()A	9303165	11-25-97	JP			1	A	bstract (only	
		ОТНЕ	R DOCUM	ENTS						
XAMINER	Kulda	J	DATE CO	NSIDERED	7	/2	ン1	120	05	

FORM PTO-1	DOCKET NUMBER APPLICATION NUMBER 10/772,734										
CITATION IN AN APPLICATION				APPLICANT(S) John D. Russell et al							
	FILING DATE February 5, 2004				GROUP ART UNIT						
		U.S. PA	TENT DOC	JMEN	1TS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME			CLASS	SUB CLASS		DATE APPROP.	
94	5,755,202	5-26-98	Stefanopo	oulou (et al		1				
	5,758,493	6-2-98	Asik et al								
	5,765,527	6-16-98	Lehner et	al							
	5,791,306	8-11-98	Williams	on							
	5,803,043 9-8-98			Bayron et al							
	5,848,529	12-15-98	Katoh et	al							
	5,857,437 1-12-99										
	5,896,840	4-27-99	Takahash								
	5,913,298	6-22-99	Yoshikav	⁄a							
	5,950,603	9-14-99	Cook et a	1							
JK_	5,957,096	9-28-99	Clarke et	al						•	
		FOREIGN I	ATENT DO	CUM	1EN	TS					
0.4	DOCUMENT NUMBER	DATE	COUNTRY	CLAS	S	SUB CLASS		TRAI YES	NSLATIO	NO	
4	9324672	12-16-97	JP		T		A	bstract o	***		
	2315571	2-4-98	GB								
	10037772	2-10-98	JP				A	bstract o	nly		
	0831218	3-25-98	EP								
	10220256	8-18-98	JP				A	bstract o	nly		
02	10288055	10-27-98	JP				A	bstract o	nly		
The	10288056	10-27-98	JP				Α	bstract o	nly		
		ОТНЕ	R DOCUM	ENTS							
EXAMINER	KWE	N	DATE CO	NSIDERE	D	0/	22	1200	05		

FORM PTO-1	449		FGT 3G				CATION N 2,734	UMBE	R			
INF CITA	APPLICANT(S) John D. Russell et al											
			FILING DAT			GROUP ART UNIT						
		U.S. PA	TENT DOCU	JMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	1	NAME		CLASS	· SUB CLASS		DATE PPROP.			
Ol.	5,964,201	10-12-99	Dickers e	al			1					
	5,967,114	10-19-99	Yasuoka									
	6,000,375	12-14-99	Isobe									
	6,006,724	12-28-99	Takahash	i et al								
	6,006,725	12-28-99	Stefanopo	ulou et a								
	6,009,851	1-4-00	lida et al									
	6,024,069	2-15-00	Yoshino									
	6,039,026	3-21-00	Shiraishi	et al								
	6,055,476	4-25-00	Yoshino									
1/1	6,058,906	5-9-00	Yoshino									
	6,070,567	6-6-00	Kakizaki	et al								
		FOREIGN 1	PATENT DO	CUMEN	TS		•					
Λ <i>I</i>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		TRAN	SLATION	NO			
all	1162643	3-5-99	JP	1	<u> </u>	Al	bstract on	ly				
>	19847851	4-22-99	DE			Al	ostract on	only only only				
	11270368	5-10-99	JР			Al	ostract on	ly				
	9947800	9-23-99	wo			Al	ostract on	ly				
O ₄	2338085	12-8-99	GB									
#	0990775	4-5-00	EP	1								
		ОТН	ER DOCUM	ENTS	1							
								·				
EXAMINER	KIAIT)^	DATE COI	NSIDERED	7/	ひし	120	א מ	/			

FORM PTO-1	449	DOCKET NUMBER APPLICATION NUMBER 10/772,734							
	ORMATION DISCLO	APPLICANT(S) John D. Russell et al							
			FILING DATE February 5, 2004		GRO	OUP AR	רנאט ז	•	
		U.S. PA	TENT DOCUMENT	S					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLAS		UB ASS		DATE PROP.
M	6,095,117	8-1-00	Minowa et al					_	
	6,101,993	8-15-00	Lewis et al						
	6,148,791	11-21-00	Fujieda et al	-					·····
	6,170,475 1-9-01		Lewis et al						
	6,178,371	1-23-01	Light et al						
	6,182,636	2-6-01	Russell et al						
100	6,196,173	3-6-01	Takahashi et al						
W.	2001/0003329	6-14-01	Sugaya et al						
				_					
		FOREIGN	PATENT DOCUME	ENTS					
a Aa	DOCUMENT NUMBER	DATE	COUNTRY	CI	ASS	SUB CLASS	YES	RANSL/	ATION NO
04	1020625	7-19-00	EP						
P	1065349	1-3-01	EP						
	1074716	2-7-01	EP						
ak	1136685	9-26-01	EP						
								\dashv	
	1			l			<u> </u>		
	T	OTH	ER DOCUMENTS	 -		·			
		-	DATE CONSIDERS		- 1		1		-/
EXAMINER	Klalder		DATE CONSIDERED		l [W	7 Z	104	/

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER: __

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.